Recorded water levels in this bulletin are derived from a representative network of water level gages on each lake (see cover map). Providers of these data are the National Ocean Service, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, and the Integrated Science Data Management, Department of Fisheries and Oceans, Canada. Historic and projected lake levels are derived by the Detroit District, U.S. Army Corps of Engineers and Environment Canada, under the auspices of the Coordinating Committee on Great Lakes Basic Hydraulic and Hydrologic Data.

This bulletin is produced monthly as a public service. Tables of possible storm-induced rises at key locations on the Great Lakes are available on request. The Corps also publishes the "Great Lakes, Connecting Channels and St. Lawrence River Water Levels and Depths," twice monthly, which provides a forecast of depths in the connecting rivers between the Great Lakes and the International Section of the St. Lawrence River. These publications can be obtained free of charge by writing to the address shown on the front cover, or by calling (313) 226-6441. Notices of change of address should include the name of the publication(s). All of these publications can be accessed on the Internet at **http://www.lre.usace.army.mil/glhh.**

Great Lakes Basin Hydrology
June 2011

Overall, the Great Lakes basin experienced above average precipitation during the month of June. Lakes Superior and Michigan-Huron received above average precipitation in June. Lakes Erie and Ontario received below average precipitation, experiencing 59% and 72% of average precipitation, respectively. Over the past 12 months, precipitation on all of the lakes has been above average. During June, the net supply of water was near average for Lake Superior, above average for Lake Michigan-Huron, and near average for Lakes Erie and Ontario. Outflows from Lakes Superior and Michigan-Huron were below average in June while outflows from Lakes Erie and Ontario were above average. The tables below list June precipitation, water supply, and outflow information for the entire Great Lakes basin.

A comparison of June monthly mean water levels to long-term (1918-2010) averages show that Lakes Superior and Michigan-Huron were 12 and 13 inches, respectively, below average. Lakes St. Clair, Erie, and Ontario were 2, 10 and 11 inches above average, respectively.

PRECIPITATION (INCHES)

BASIN	June				12-Month Comparison			
	2011	Average (1900-2008)	Diff.	% of Average	Last 12 Months	Average (1900-2008)	Diff.	% of Average
Superior	3.60	3.27	0.33	110	32.57	30.51	2.06	107
Michigan-Huron	4.22	3.14	1.08	134	36.04	32.44	3.60	111
Erie	2.02	3.45	-1.43	59	42.21	35.40	6.81	119
Ontario	2.26	3.12	-0.86	72	37.70	35.71	1.99	106
Great Lakes	3.52	3.21	0.31	110	36.12	32.64	3.48	111

LAKE	June WATER SUPPLIES[1] (cfs)		June OUTFLOW[2] (cfs)	
	2011	Average[4] (1900-2008)	2011	Average[3] (1900-2008)
Superior	159,000	155,000	58,000	77,000
Michigan-Huron	245,000	204,000	173,000	192,000
Erie	30,000	31,000	231,000	216,000
Ontario	39,000	42,000	308,000	260,000

Notes: Values (excluding averages) are based on preliminary computations. CFS denotes cubic feet per second.

[1] Negative water supply denotes evaporation from lake exceeded runoff from local basin.

[2] Does not include diversions.

[3] Niagara and St Lawrence rivers average outflows are based on period of record 1900-1989 and 1900-2005, respectively

[4] Lakes Erie and Ontario average water supplies based on 1900-1989